Supplementary Table 1.- Permeability (*Pe* 10^{-6} cm s^{-1}) in the PAMPA-BBB assay for 10 commercial drugs (used in the experiment validation) and compound SC001 with their predictive penetration in the CNS.[a]

Compound	Bibl.[b]	*Pe* (10^{-6} cm s^{-1})[c]	BBB permeation prediction
Atenolol	0.8	0.6 ± 0.3	
Caffeine	1.3	0.9 ± 0.1	
Desipramine	12	15.4 ± 1.6	
Enoxacin	0.9	0.2 ± 0.2	
Hydrocortisone	1.9	0.6 ± 0.1	
Ofloxacin	0.8	0.3 ± 0.2	
Piroxicam	2.5	0.3 ± 0.3	
Promazine	8.8	11.7 ± 1.4	
Testosterone	17	26.8 ± 1.7	
Verapamil	16	21.7 ± 1.6	
SC001		5.5 ± 1.0	CNS +

[a]PBS:EtOH (70:30) was used as solvent. [b]{Di, 2003 #2197}. [c]Data are the mean ± SD of 2 independent experiments.